

Serial Number: 09/100,349

CRF Processing Date: 7/25/2002
 Edited by: Ar
 Verified by: Ar (STIC sta)

ENTERED

#8 1638

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AUG 6 2002

TECH CENTER 1600/2900

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☒ Corrected an obvious error in the response, specifically: 21517 responses
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

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1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/700,349

DATE: 07/25/2002

TIME: 21:40:08

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07252002\I700349.raw

3 <110> APPLICANT: MAX-PLANCK-GESELLSCHAFT ZUR FTRDERUNG DER WISSENSCHAFTEN E.V.
 4 WOLFGANG ROHDE, BUSECK
 5 DIRK PRUFER, KOLN
 6 ECKHARD TACKE, EBSTORF
 7 PETER PASEMANN. KOLN
 8 FRANCESCO SALAMINI, KOLN
 10 <120> TITLE OF INVENTION: METHOD FOR PRODUCING PLANTS HAVING AN INCREASED TOLERANCE
 AGAINST
 11 DROUGHT AND/OR FUNGAL ATTACK AND/OR INCREASED SALT CONCENTRATIONS
 12 AND/OR EXTREME TEMPERATURE BY THE EXPRESSION OF PLASMODESMATA-
 13 LOCALIZED PROTEINS
 15 <130> FILE REFERENCE: 009848-0276439
 17 <140> CURRENT APPLICATION NUMBER: 09/700,349
 C--> 18 <141> CURRENT FILING DATE: 2001-03-16
 20 <150> PRIOR APPLICATION NUMBER: PCT/EP99/03291
 21 <151> PRIOR FILING DATE: 1999-05-12
 23 <150> PRIOR APPLICATION NUMBER: 98108726.5
 24 <151> PRIOR FILING DATE: 1998-05-13
 26 <160> NUMBER OF SEQ ID NOS: 3
 28 <170> SOFTWARE: PatentIn Ver. 3.0
 30 <210> SEQ ID NO: 1
 31 <211> LENGTH: 20
 32 <212> TYPE: PRT
 33 <213> ORGANISM: Artificial Sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic, no natural
 origin
 38 <400> SEQUENCE: 1
 40 Met Ala Glu Leu Gly Ser Gly Ser Glu Leu His Arg Gly Gly Gly Arg
 41 1 5 10 15
 43 Ser Arg Thr Ser
 44 20
 47 <210> SEQ ID NO: 2
 48 <211> LENGTH: 550
 49 <212> TYPE: DNA
 50 <213> ORGANISM: Artificial Sequence
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic, no natural
 origin
 56 <220> FEATURE:
 57 <221> NAME/KEY: CDS
 58 <222> LOCATION: (11)..(538)
 60 <400> SEQUENCE: 2
 62 ctcgagaaca atg gca gag ctc gga tcc gga tcc gag ctc cac cgc ggt 49

63 Met Ala Glu Leu Gly Ser Gly Ser*Glu Leu His Arg Gly
64 1 5 10

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66 ggc ggc cgc tct aga act agt acg tca acg gtg gtg tac aac aac caa 97
67 Gly Gly Arg Ser Arg Thr Ser Thr Ser Thr Val Val Tyr Asn Asn Gln
68      15                      20                      25
70 gga ggc gaa gaa ggc aat ccc ttc gca ggc gcg cta aca gag ttc agc 145
71 Gly Gly Glu Glu Gly Asn Pro Phe Ala Gly Ala Leu Thr Glu Phe Ser
72 30                      35                      40                      45
74 cag tgg tta tgg tca cgg cct ctg ggc aac cca ggc gcc gaa gac gta 193
75 Gln Trp Leu Trp Ser Arg Pro Leu Gly Asn Pro Gly Ala Glu Asp Val
76      50                      55                      60
78 gaa gag gag gca atc gcc gct caa gaa gaa ctg gag ttc ccc gag gac 241
79 Glu Glu Glu Ala Ile Ala Ala Gln Glu Glu Leu Glu Phe Pro Glu Asp
80      65                      70                      75
82 gag gct caa gcg aga cat tcg tgt tta caa agg aca acc tca tgg gca 289
83 Glu Ala Gln Ala Arg His Ser Cys Leu Gln Arg Thr Thr Ser Trp Ala
84      80                      85                      90
86 act ccc aag gaa gtt tca cct tcg ggc cga gtc tat cag act gtc cgg 337
87 Thr Pro Lys Glu Val Ser Pro Ser Gly Arg Val Tyr Gln Thr Val Arg
88      95                      100                      105
90 cat tca agg atg gaa tac tca agg cct acc atg agt ata aga tca caa 385
91 His Ser Arg Met Glu Tyr Ser Arg Pro Thr Met Ser Ile Arg Ser Gln
92 110                      115                      120                      125
94 gca tct tac ttc agt tcg tca gcg agg cct ctt cca cct cct ccg gct 433
95 Ala Ser Tyr Phe Ser Ser Ser Ala Arg Pro Leu Pro Pro Pro Pro Ala
96      130                      135                      140
98 cca tcg ctt atg agt tgg acc ccc att gca aag tat cat ccc tcc agt 481
99 Pro Ser Leu Met Ser Trp Thr Pro Ile Ala Lys Tyr His Pro Ser Ser
100      145                      150                      155
103 cct acg tca aca agt tcc aaa tta cga agg gcg gcg cca aaa ctt atc 529
104 Pro Thr Ser Thr Ser Ser Lys Leu Arg Arg Ala Ala Pro Lys Leu Ile
105      160                      165                      170
107 aag cgc gga tgataaggta cc 550
108 Lys Arg Gly
109      175

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112 <210> SEQ ID NO: 3

113 <211> LENGTH: 176

114 <212> TYPE: PRT

115 <213> ORGANISM: Artificial Sequence

117 <220> FEATURE:

118 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic, no natural origin

120 <400> SEQUENCE: 3

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122 Met Ala Glu Leu Gly Ser Gly Ser Glu Leu His Arg Gly Gly Gly Arg
123 1                      5                      10                      15
125 Ser Arg Thr Ser Thr Ser Thr Val Val Tyr Asn Asn Gln Gly Gly Glu
126      20                      25                      30
128 Glu Gly Asn Pro Phe Ala Gly Ala Leu Thr Glu Phe Ser Gln Trp Leu
129      35                      40                      45
131 Trp Ser Arg Pro Leu Gly Asn Pro Gly Ala Glu Asp Val Glu Glu Glu
132      50                      55                      60
134 Ala Ile Ala Ala Gln Glu Glu Leu Glu Phe Pro Glu Asp Glu Ala Gln

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RAW SEQUENCE LISTING

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| | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 135 | 65 | | | | | 70 | | | | | | 75 | | | | | 80 |
| 137 | Ala | Arg | His | Ser | Cys | Leu | Gln | Arg | Thr | Thr | Ser | Trp | Ala | Thr | Pro | Lys | |
| 139 | | | | | 85 | | | | | 90 | | | | | 95 | | |
| 141 | Glu | Val | Ser | Pro | Ser | Gly | Arg | Val | Tyr | Gln | Thr | Val | Arg | His | Ser | Arg | |
| 142 | | | | 100 | | | | | 105 | | | | | 110 | | | |
| 144 | Met | Glu | Tyr | Ser | Arg | Pro | Thr | Met | Ser | Ile | Arg | Ser | Gln | Ala | Ser | Tyr | |
| 145 | | | 115 | | | | | 120 | | | | | 125 | | | | |
| 147 | Phe | Ser | Ser | Ser | Ala | Arg | Pro | Leu | Pro | Pro | Pro | Pro | Ala | Pro | Ser | Leu | |
| 148 | | 130 | | | | | 135 | | | | | | 140 | | | | |
| 150 | Met | Ser | Trp | Thr | Pro | Ile | Ala | Lys | Tyr | His | Pro | Ser | Ser | Pro | Thr | Ser | |
| 151 | 145 | | | | 150 | | | | | 155 | | | | | 160 | | |
| 153 | Thr | Ser | Ser | Lys | Leu | Arg | Arg | Ala | Ala | Pro | Lys | Leu | Ile | Lys | Arg | Gly | |
| 154 | | | | 165 | | | | | 170 | | | | | | 175 | | |

VERIFICATION SUMMARY

DATE: 07/25/2002

PATENT APPLICATION: US/09/700,349

TIME: 21:40:09

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07252002\I700349.raw

L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date